

1/11

FIGURE 1

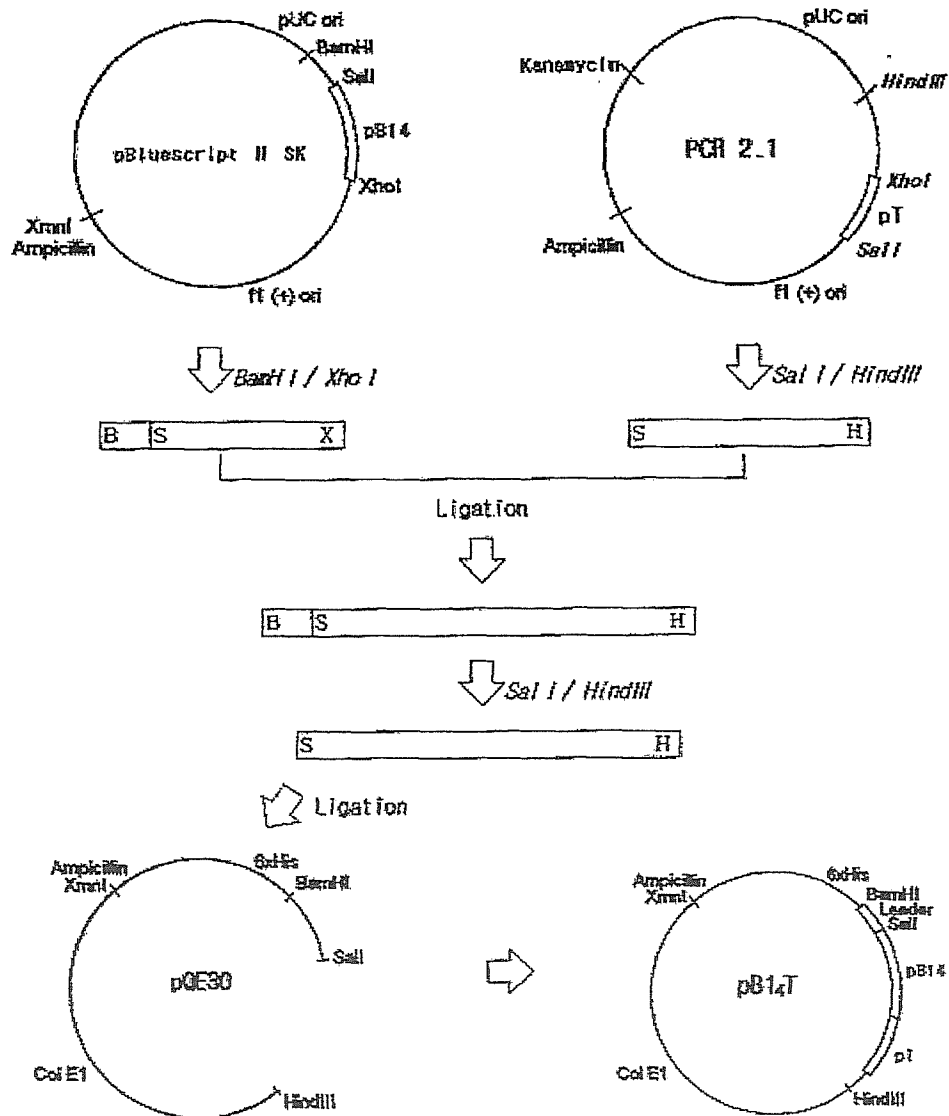


FIGURE 2

FIGURE 3

[illegible]

3/11

FIGURE 4

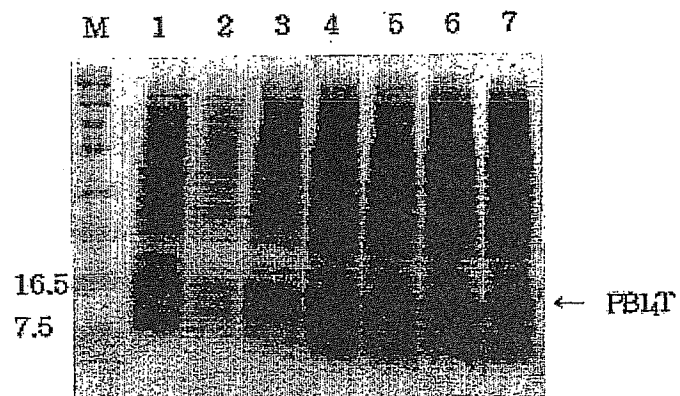
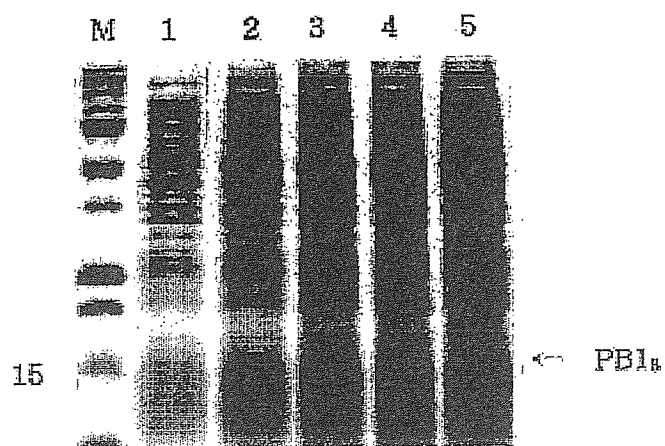


FIGURE 5



4/11

FIGURE 6

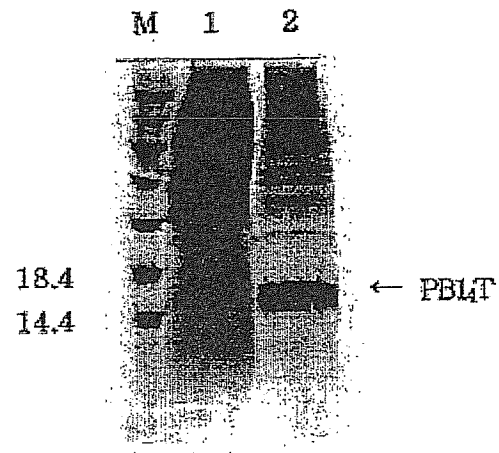
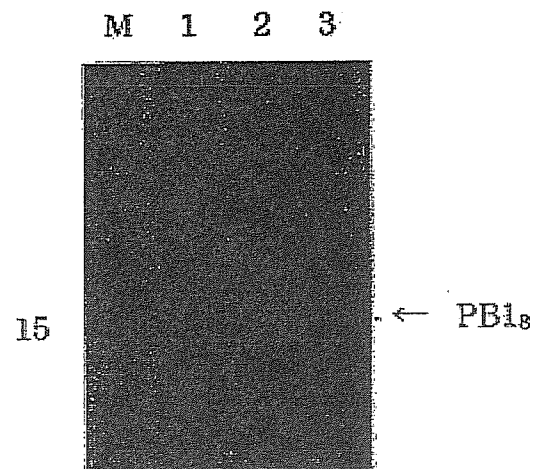


FIGURE 7



5/11

FIGURE 8

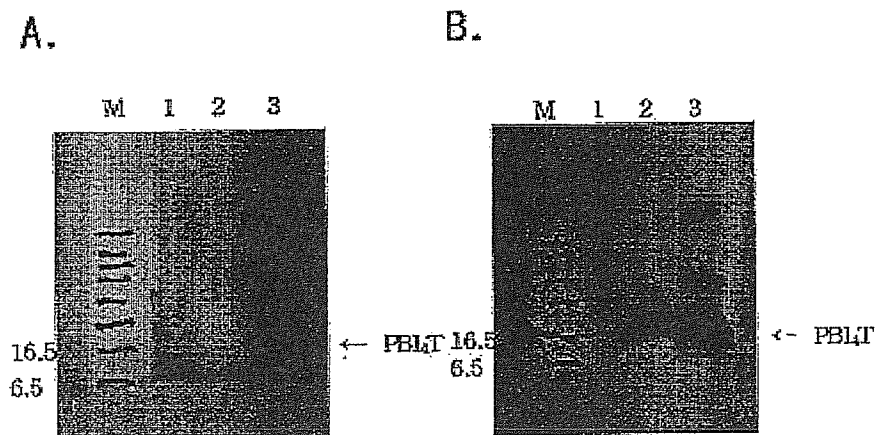
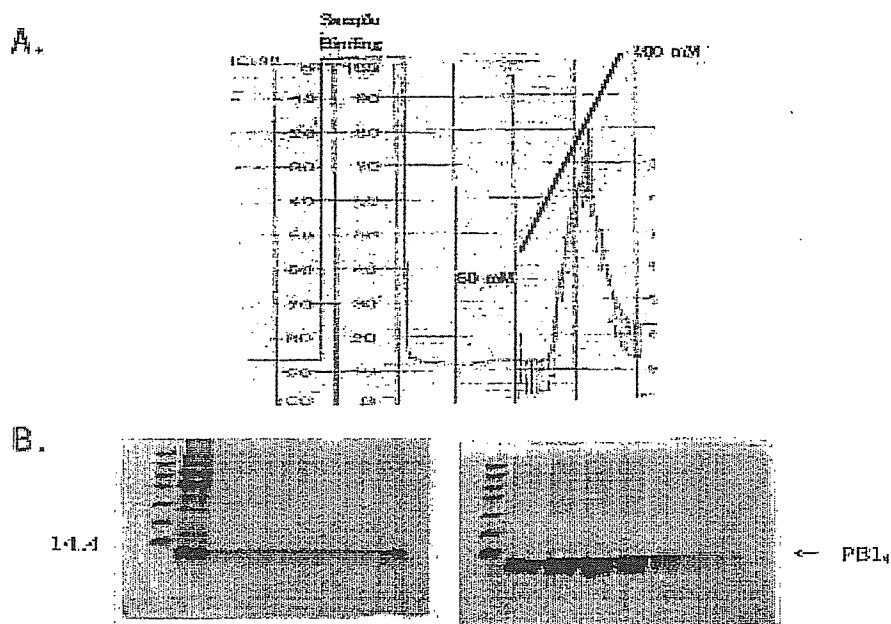


FIGURE 9



6/11

FIGURE 10

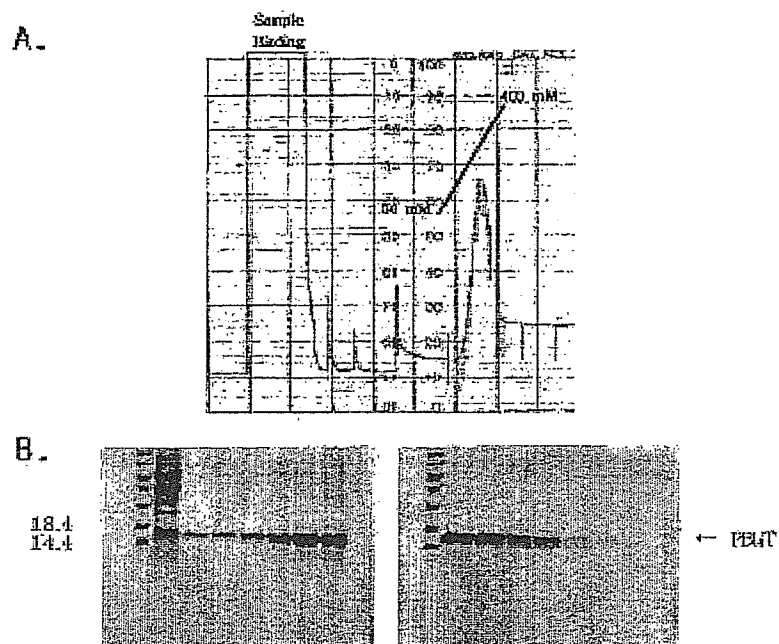
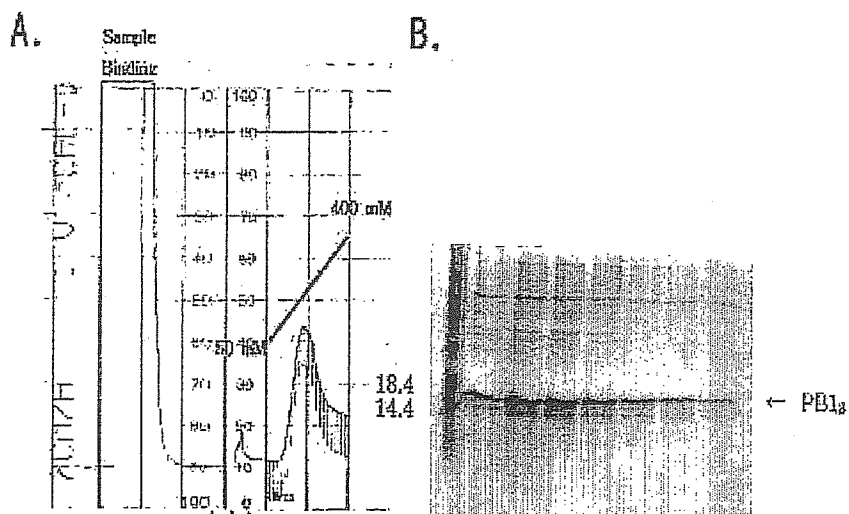
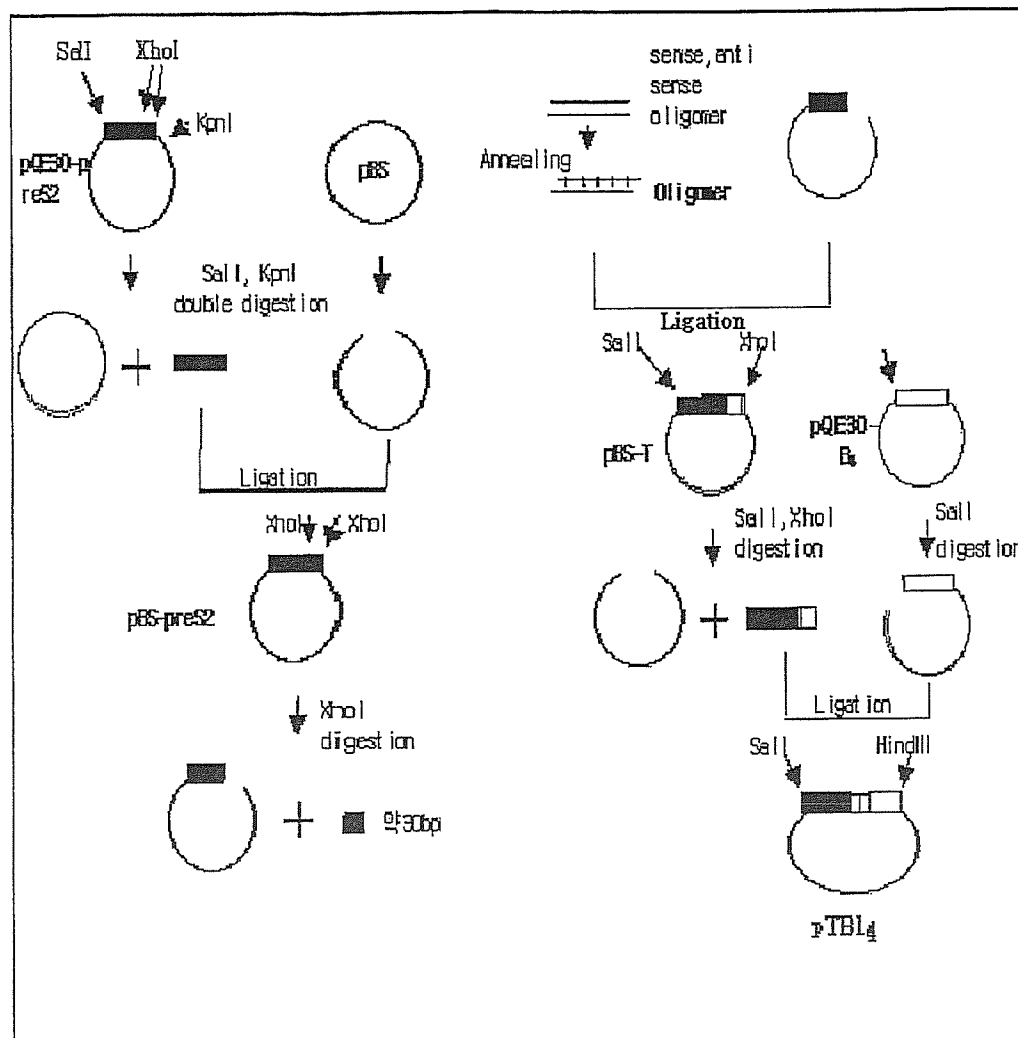


FIGURE 11



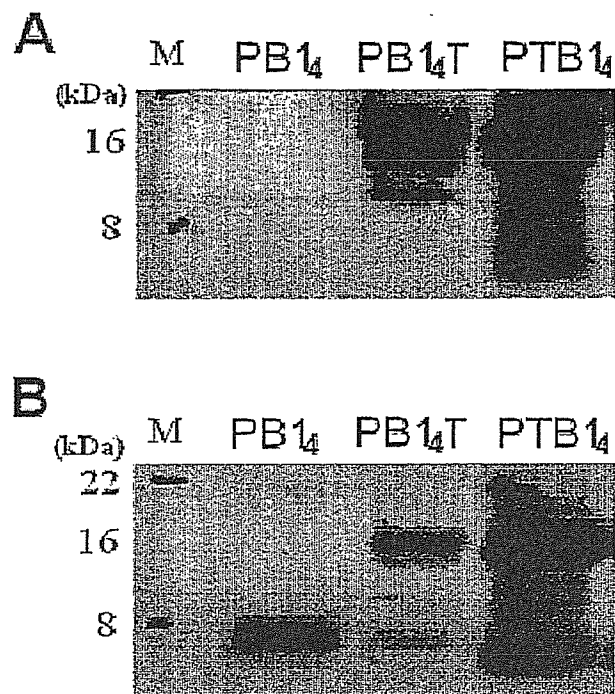
7/11

FIGURE 12



8/11

FIGURE 13



9/11

FIGURE 14

Met Arg Gly Ser His His His His His Gly Ser Asp Asp Asp Asp
 ATG AGA GGA TCG CAT CAC CAT CAC CAT CAC GGA TCC GAT GAT GAT GAC

His tag

Lys Ile Val Asp Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu
 AAG ATC GTC GAC ATG CAG TGG AAC TCC ACC ACA TTC CAC CAA GCT CTG

↓ *preS2*

Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser
CTA GAT CCC AGA GTG AGG GGC CTA TAT TTT CCT GCT GGT GGC TCC AGT

Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser
TCC GGA ACA GTA AAC CCT GTT CCG ACT ACT GCC TCA CCC ATA TCG

Ser Ile Phe Ser Lys Thy Gly Asp Pro Ala Pro Asn Leu Asp Arg
TCA ATC TTC TCG AAG ACT GGG GAC CCT GCA CCG AAC CTC GAC CGT

preS2 ↓ linker ↓

Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu
AAT GTT CCT CCT ATC TTC AAT GAT GTT TAT TGG ATT GCA TTC CTC

PB1 ↓ linker

Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
GAC CGT AAT GTT CCT CCT ATC TTC AAT GAT GTT TAT TGG ATT GCA

↓ *PB1*

Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
TTC CTC GAC CGT AAT GTT CCT CCT ATC TTC AAT GAT GTT TAT TGG

↓ linker ↓ *PB1*

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val
ATT GCA TTC CTC GAC CGT AAT GTT CCT CCT ATC TTC AAT GAT GTT

↓ linker ↓ *PB1*

Tyr Trp Ile Ala Phe Stop
TAT TGG ATT GCA TTC TAA

10/11

FIGURE 15

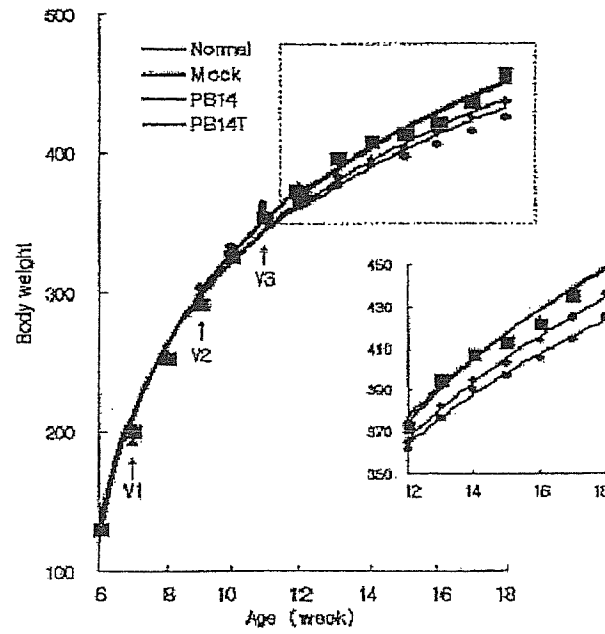
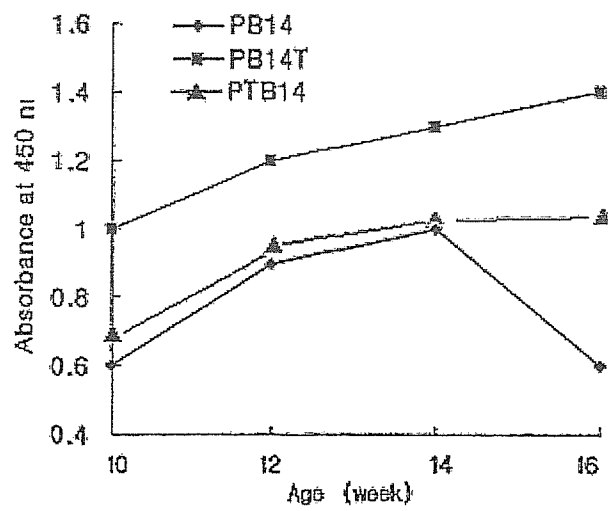


FIGURE 16



11/11

FIGURE 17

